

Title (en)  
EPI GHOST CORRECTION INVOLVING SENSE

Title (de)  
EPI-GHOST-KORREKTUR MIT SENSE

Title (fr)  
CORRECTION D'ARTÉFACTS FANTÔMES D'IMAGERIE ÉCHOPLANAIRE EN UTILISANT SENSE

Publication  
**EP 3123192 B1 20201014 (EN)**

Application  
**EP 15710801 A 20150320**

Priority  
• EP 14162169 A 20140328  
• EP 2015055862 W 20150320

Abstract (en)  
[origin: WO2015144569A1] In an EPI acquisition sequence for magnetic resonance signals k-space is scanned along sets of lines in k-space along opposite propagation directions, e.g. odd and even lines in k-space. Phase errors that occur due to the opposite propagation directions are corrected for in a SENSE-type parallel imaging reconstruction. The phase error distribution in image space may be initially estimated, calculated from the phase difference between images reconstructed from magnetic resonance signals acquired from the respective sets of k-space lines, or from an earlier dynamic.

IPC 8 full level  
**G01R 33/561** (2006.01); **G01R 33/565** (2006.01)

CPC (source: CN EP RU US)  
**G01R 33/4818** (2013.01 - US); **G01R 33/561** (2013.01 - RU); **G01R 33/5611** (2013.01 - CN EP US); **G01R 33/5616** (2013.01 - US); **G01R 33/56545** (2013.01 - US); **G01R 33/56554** (2013.01 - CN EP US); **G01R 33/583** (2013.01 - US); **A61B 2217/00** (2013.01 - US); **A61K 6/00** (2013.01 - EP US); **G01R 1/00** (2013.01 - US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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